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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/804,812	03/13/2001	Shoji Suzuki	9281/3923	2009

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CHICAGO, IL 60611

EXAMINER

ZAMANI, ALI A

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 10/16/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/804,812

Applicant(s)

SUZUKI, SHOJI

Examiner

Ali A. Zamani

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuo (US Pat. No. 5,677,711) in view of Anderson (US Pat. No. 5,355,148).

In regard to claims 1-2, Kuo teaches an input control system including input means which has a coordinate input section for entering coordinate data (17) and a switch input section for entering switch on/off data (11-15), a controller which formats and transmits the data entered through said input (see col. 1, lines 24-40), a control section which implements processes for the coordinate data and/or switch on/off data based on the formatted data provided by said controller, wherein switch input section includes four switches (13, 14, 11 and 12) (Fig. 2, col. 2, lines 42-49). Kuo substantially teaches the above claimed limitations except for teaching a controller includes "fields of coordinate data entered through said coordinate input section and fields of switch on/off data produced in response to the operation of said for switches". However, Anderson teaches an input device including input means for coordinate input section for entering coordinate data and a controller, which formats and transmits the data entered through said input means (see Fig. 1a-1c). Anderson teaches the concept of using switch input section includes switches (114, 116) and data generated by controller includes fields of coordinate data (col. 12, lines 8-16) entered through coordinate input section and fields of switch on/off data produced in

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response to the operation of switches (114, 116) is old. Therefore, it would have been obvious to one of ordinary skill in the art to utilize the noted teaching of Anderson to the input control system of Kuo for switch input section to provide an input control system which allows the operator to operate with the key switches with the same hand.

Claims 3-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuo-Anderson in view of Singh et al. (US Pat. No. 6, 400, 376).

In regard to claims 3-8, Kuo-Anderson discussed above. Kuo-Anderson substantially teaches the above claimed limitations except for teaching a "control section operates based on the switch on/off data to scroll the picture on display section". However, Singh et al. teaches a display control for a data storage, which includes a screen portion for visually displaying a part of a virtual page (see the abstract). Singh et al. teach each field of data may be visually represented by its own virtual page and the user must scroll or pan through the page (where "scrolling" the virtual pages involves changing which portion of the data and/or program commands is visible on the display screen) and in many such displays, particularly with personal computers, panning or scrolling the virtual page is controlled by either movement of a cursor in the displayed portion of the virtual page or by interface with a control bar along the side of the display screen. Thus, it would have been obvious to one of ordinary skill in the art to combine the input control system of Kuo-Anderson with display of Singh et al. to provide an input data display control system which enables operator to function the screen easy and reliable operation.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Zamani whose telephone number is (703) 308-6414. The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard A. Hjerpe, can be reached on (703) 305-4709.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, DC 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Ali Zamani

October 05, 2002



RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600